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PROGRESS REPORT

Covering the period June 1 - July 31, 1972 for the:

"Study to Demonstrate the Feasibility of and Determine the Optimum Method of Remote Haze Monitoring by Satellite"

This contract is ERTS-A proposal number SR 230, GSFC Identification number PR 173.

There are no problems impeding the progress of the investigation.

Accomplishments during this period:

> The required computer software was written and debugged. This includes a subroutine to convert the IBM 360 format to that of the CDC 7600, a general analysis program, and several specific analysis subroutines. A sample tape, received from GSFC, was processed successfully.
>
> Ground truth equipment, designed to measure the brightness of the sun' s aureole, was tested and found satisfactory. Arrangements have been made to collect visibility data from local airports and air pollution data from the Los Angeles Air Pollution Control District to be used as supplementary ground truth.

Accomplishments planned for the next reporting period:

> Receive ERTS-A data, collect ground truth data and begin analysis as outlined in the contract.

No results have been obtained yet and no publications prepared.

There are no recommended changes in operations and no changes contemplated or requested in standing order products.

ERTS Image Description Forms are not applicable to this period.

No Data Request Forms for retrospective data were submitted.

P. I. ROGERS, ERNEST H.

(E72-10078) STUDY TO DEMONSTRATE THE FEASIBILITY OF AND DETERMINE THE OPTIMUM METHOD OF REMOTE HAZE MONITORING BY E.H. Rogers (Aerospace Corp., Los Angeles, Calif.) 31 Jul. 1972 1 p CSCL 04B G3/13

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